

Appl. No. 10/562,939
Amtd. Dated Feb. 24, 2005
Reply to Office Action of Dec 30, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (previously presented): An electrical connector for interconnecting two printed circuit boards, comprising:

a dielectric housing defining a passageway extending from a first face to a second face which is adjacent to the first face;

an electrical contact received in the passageway and being moveable with respect to the housing;

a biasing spring arranged in the housing and applying a driving force to the contact; and

an actuator coupled with the contact so as to move the contact within the passageway.

Claim 2 (original): The electrical connector as recited in claim 1, wherein the biasing spring comprises an insulator body abutting against the contact.

Claim 3 (original): The electrical connector as recited in claim 1, wherein the passageway defines a first opening in the first face adapted for facing a first printed circuit board and a second opening in the second face adapted for facing a second printed circuit board which is perpendicular to the first printed circuit board.

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Claim 4 (original): The electrical connector as recited in claim 3, wherein the first and the second openings of the passageway are so dimensioned that a first and a second ends of the contact are free to move, the first and the second ends of the contact being adapted to move along the first and the second printed circuit boards, respectively.

Claim 5 (original): The electrical connector as recited in claim 4, wherein the biasing spring applies a driving force to the first end of the contact.

Claim 6 (canceled)

Claim 7 (original): The electrical connector as recited in claim 5, wherein the first and the second faces are perpendicular to each other.

Claim 8 (canceled)

Claim 9 (canceled)

Claim 10 (currently amended): The electrical connector as recited in claim 1, ~~further comprising an~~ wherein said actuator applying a force to the contact so as to moveably actuate the contact.

Claim 11 (previously presented): An electrical connector for interconnecting two printed circuit boards, comprising:

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a dielectric housing defining a plurality of passageways extending from a first face to a second face which is adjacent to the first face;

a plurality of electrical contacts each moveably received in a corresponding passageway; and

an actuator coupled with the contact so as to move the contact within the passageway; wherein

the actuator comprises an insulator portion defining a plurality of holes receiving first ends of the contacts.

Claim 12 (cancelled)

Claim 13 (currently amended): The electrical connector as recited in claim ~~[[1]]~~ 11, wherein the first and the second faces are perpendicular to each other.

Claims 14-26 (cancelled)

Claim 27 (new): An electrical connector for interconnecting two printed circuit boards, comprising:

a dielectric housing defining a passageway extending from a first face to a second face which is adjacent to the first face;

an electrical contact received in the passageway and being moveable with respect to the housing;

a biasing spring arranged in the housing and applying a driving force to the contact; and

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an actuator coupled with the contact so as to move the contact within the passageway; wherein

the biasing spring urges the second end of the contact to protrude over the second face of the housing.

Claim 28 (new): An electrical connector for interconnecting two printed circuit boards, comprising:

a dielectric housing defining a passageway extending from a first face to a second face which is adjacent to the first face;

an electrical contact received in the passageway and being moveable with respect to the housing;

a biasing spring arranged in the housing and applying a driving force to the contact; and

an actuator coupled with the contact so as to move the contact within the passageway; wherein

the actuator is coupled with the second end of the contact so as to move the first end of the contact along a first direction, and wherein the biasing spring applies a force to the contact tending to move the first end of the contact along a second direction opposite to the first direction.

Claim 29 (new): An electrical connector for interconnecting two printed circuit boards, comprising:

a dielectric housing defining a passageway extending from a first face to a second face which is adjacent to the first face;

an electrical contact received in the passageway and being moveable with

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respect to the housing;

a biasing spring arranged in the housing and applying a driving force to the contact; and

an actuator coupled with the contact so as to move the contact within the passageway; wherein

the actuator comprises a main body made of a metal sheet and an insulator portion connected with the second end of the contact.